

WHAT IS CLAIMED IS:

1. A display controller for controlling a display pattern of an image in a display apparatus constituted of a plurality of pixels arranged in a matrix form, the each pixel including a pixel-driving device,  
the display controller comprising a driving control device for controlling an operation of the pixel-driving devices, based on image information corresponding to the image to be displayed during a synchronizing period of one synchronizing direction, only for predetermined illuminating period shorter than the synchronizing period.
2. The display controller according to claim 1, wherein the driving control device simultaneously drives all the pixel-driving devices based on the image information only during the illuminating period.
3. The display controller according to claim 1, wherein the driving control device drives, based on the image information, the pixel-driving devices which are on one scanning line during the synchronizing period so as to line-sequentially perform scanning.
4. The display controller according to claim 3, wherein the driving control device drives the pixel-driving devices on the adjacent two or more scanning lines included in a scanning-line-group simultaneously, and drives the pixel-driving devices in the scanning-line-group in a direction perpendicular to the

scanning direction of the scanning line while displacing the scanning line one after another.

5. The display controller according to claim 3, wherein

5 the driving control device drives the pixel-driving devices on the scanning lines, for each of a plurality of scanning-line-groups each being constituted of the adjacent two or more scanning lines and including a different number of the scanning lines, drives the pixel-driving devices in the scanning-line-group simultaneously, and  
10 drives the pixel-driving devices in the scanning-line-group in a direction perpendicular to the scanning direction of the scanning line while displacing the scanning line one after another.

6. The display controller according to claim 5, wherein

15 the display control device drives the pixel-driving devices in each scanning-line-group during the synchronizing, and the number of the scanning lines of each scanning-line-group is simply increased or simply reduced along the synchronizing direction.

20 7. The display controller according to claim 1, wherein

the synchronizing period in the image information is constituted of a plurality of sub synchronizing periods each having a different weight of an image display period,

the driving control device performs selection writing scanning  
25 for line-sequentially scanning the pixel-driving device on the scanning line corresponding to the sub synchronizing period based on the image information and placing the pixel on the scanning line into an image display state in each of the sub synchronizing periods, and

the driving control device performs non-display scanning for line-sequentially scanning the pixel-driving devices on the scanning line to be subjected to the selection writing scanning and placing all the pixels on the scanning line into an image non-display state before  
5 starting the selection writing scanning on the scanning line.

8. A display system, comprising:

a display controller for controlling a display pattern of an image in a display apparatus constituted of a plurality of pixels arranged in  
10 a matrix form, the each pixel including a pixel-driving device, the display controller comprising a driving control device for controlling an operation of the pixel-driving devices, based on image information corresponding to the image to be displayed during a synchronizing period of one synchronizing direction, only for predetermined  
15 illuminating period shorter than the synchronizing period, and  
the display apparatus.

9. A display controlling method for controlling a display pattern of an image in a display apparatus constituted of a plurality of pixels  
20 arranged in a matrix form, the pixel including a pixel-driving device,  
the method comprising a driving controlling process for controlling an operation of the pixel-driving device, based on image information corresponding to the image to be displayed during a synchronizing period of one synchronizing direction, only for  
25 predetermined illuminating period shorter than the synchronizing period.